

### Abstract

To realize a wireless communication system capable of keeping a beacon interval fixed, keeping transmission quality, and performing intermittence reception without fail.

A wireless communication management device includes and transmits beacon time period information in a main beacon and a sub beacon. Then, a wireless terminal device divides transmission data based on the beacon time period information so that the transmission of the transmission data is finished before the transmission of a main beacon is started. Thereby, overlap of transmission timings of the beacon and the transmission data can be prevented and the beacon interval can be made fixed. This can keep transmission quality, makes the wireless terminal device to perform intermittence reception without fail, and improve the entire data transmission efficiency of the system.